

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.

---

8



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/881,681	06/18/2001	Kumiko Ogino	1035-329	7189

7590 07/30/2004

NIXON & VANDERHYE P.C.  
 8th Floor  
 1100 North Glebe Road  
 Arlington, VA 22201-4714

EXAMINER

ARSHAD, UMAR

ART UNIT PAPER NUMBER

2174

DATE MAILED: 07/30/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

8

<b>Office Action Summary</b>	Application No. 09/881,681	Applicant(s) OGINO ET AL.	
	Examiner Umar Arshad	Art Unit 2174	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 03 May 2004.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### DETAILED ACTION

This communication is responsive to the Amendment filed 5/3/2004.

Claims 1 – 11 are pending in this application. Claims 1, 21, 26 and 29 are independent claims. In the Amendment claims 1, 3, and 6 were amended. This action is made Final.

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

### ***Claim Rejections - 35 USC § 103***

Claims 1, 6, 8 and 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sanchez et al., U.S. patent No. 5,832,298 in view of Wolf, U.S. Patent No. 5,504,687.

As per claim 1, Sanchez et al. ("Sanchez") teaches a printing output user interface control method for controlling printing job information settings for a user interface which provides a printing related information setting environment on a user interface display section formed in a printing data supply device, when printing data is

supplied with the printing job information from the printing data supply device connected with a printing output device via network to the printing output device equipped with a printing job information display section which indicates printing job information by each printing job (see column 2, lines 31 – 61 and column 5 lines 9 and 10; the examiner interprets a user's work station as a data supply device, and a digital copier as a printing output device; it is taught that a suitable digital copier is a Canon GP55, and it is inherent that this printer has a printing job information display). Sanchez further teaches

a) said printing data supply device receiving capability information of said printing job information display section from said printing output device (see Sanchez, column 2, lines 40 – 43);

b) comparing printing job information manually or automatically inputted in the setting environment with the capability information received by said printing data supply device in said step a) (see Sanchez, column 2, lines 47 – 51; it is inherent that information input by the user is compared with the capability information received by user's work station); and

c) providing a user with an indication to input the printing job information with information suitable for the capability of said printing output device (see column 2, lines 47 – 51 and column 5 lines 9 and 10; the examiner interprets displaying a menu of job options which are appropriate for the current capabilities of the printing output device as providing a user with an indication to input the printing job information with information suitable for the capability of said printing output device).

Sanchez does not teach providing a user with an indication to input the printing job information with characters suitable for the display capability of said printing job information display section when the printing job information is inputted with characters not suitable for the display capability of said printing job information display section, and in response to said indication the user replacing said printing job information manually or automatically inputted in the setting environment with new printing job information having characters suitable for display capability of said printing job information display section. Wolf teaches providing a user with an indication to input information suitable for a device when the information input is not compatible with a system, and in response to the indication the user replacing the information manually or automatically inputted in the setting environment with new information suitable for capability of the system (see Wolf, column 7, line 59 – column 8, line 18).

It would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the methods of Wolf with the method of Sanchez in order to ensure proper display of information on the printing output device

As per claim 6, it is of similar scope to claim 1 and is rejected under the same rationale as claim 1 (see rejection above).

As per claim 8, which is dependent on claim 6 Sanchez and Wolf teach the method of claim 6 (see rejection above). Sanchez further teaches a printing data supply

---

device comprising a computer which reads said program from the recording medium of Claim 6 and executes said program (see Sanchez, column 5, lines 18 and 19).

As per claim 10, which is dependent on claim 8, Sanchez and Wolf teach the method of claim 8 (see rejection above). Sanchez further teaches an information processing system, wherein: the printing data supply device of Claim 8 and said printing output device are connected via network (see Sanchez, column 2, lines 15 – 16).

Claims 2, 3, 7, 9 and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sanchez et al., U.S. patent No. 5,832,298 in view of Boss et al., U.S. Patent No. 5,758,110.

As per claim 2, Sanchez teaches a printing output user interface control method for controlling printing job information settings for a user interface which provides a printing related information setting environment on a user interface display section formed in a printing data supply device, when printing data is supplied with the printing job information from the printing data supply device connected with a printing output device via network to the printing output device equipped with a printing job information display section which indicates printing job information by each printing job (see column 2, lines 31 – 61 and column 5 lines 9 and 10; the examiner interprets a user's work station as a data supply device, and a digital copier as a printing output device; it is

Art Unit: 2174

taught that a suitable digital copier is a Canon GP55, and it is inherent that this printer has a printing job information display). Sanchez further teaches

a) receiving capability information of said printing data supply device from said printing output device (see Sanchez, column 2, lines 40 – 43);

b) storing printing job information in said printing data supply device, according to a user's operation (see Sanchez, column 2, lines 52 – 53); and

c) comparing printing job information manually or automatically inputted in the setting environment with the capability information received by said printing data supply device in said step a) (see Sanchez, column 2, lines 47 – 51; it is inherent that information input by the user is compared with the capability information received by user's work station).

Sanchez does not teach receiving display capability information of said printing job information display section of said printing output device, storing information on characters suitable for the display capability of said printing job information display section and converting the inputted printing job information to the stored printing job information stored in said step b) when the printing job information is inputted with characters not suitable for the display capability of said printing job information display section.

Boss et al. ("Boss") teaches receiving display capability information for a device (see Boss, column 11, line 61 - column 12, line 1; it is inherent that the display capabilities for a display device are received and stored), storing information on characters suitable for the display capability of said printing job information display



section (see Boss, column 11, lines 61 – 64) and converting inputted printing job information to the stored printing job information stored in said step b) when the printing job information is inputted with characters not suitable for the display capability of said printing job information display section (see Boss, column 12, lines 10 – 17). It would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the method of Boss with the method of Sanchez in order to ensure proper display of information on the printing output device.

As per claim 3, which is dependent on claim 2, Sanchez and Boss teach the method of claim 2 (see rejection above). Sanchez further teaches the printing output user interface control method of Claim 2, further comprising the steps of:

storing a plurality of printing job information in said step b) (see Sanchez, column 2, lines 52 – 53); and

displaying a list of a plurality of stored printing job information on said user interface display section, and converting printing job information inputted in the setting environment to the printing job information selected by the user (see Sanchez, column 2, lines 47 – 61; it is inherent that the information selected by the user is converted to printing job information through the graphical user interface presented to the user).

As per claim 7, it is of similar scope to claim 2 and is rejected under the same rationale as claim 2 (see rejection above).

---

As per claim 9, which is dependent on claim 7 Sanchez and Boss teach the medium of claim 7 (see rejection above). Sanchez further teaches a printing data supply device comprising a computer which reads said program from the recording medium of Claim 7, and executes said program (see Sanchez, column 5, lines 18 and 19).

As per claim 11, which is dependent on claim 9, Sanchez and Boss teach the medium of claim 9 (see rejection above). Sanchez further teaches an information processing system, wherein: the printing data supply device of Claim 9 and said printing output device are connected via network (see Sanchez, column 2, lines 15 – 16).

Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Sanchez et al., U.S. patent No. 5,832,298 in view of Boss et al., U.S. Patent No. 5,758,110 further in view of Matysek et al., U.S. Patent No. 5,442,732.

As per claim 4, which is dependent on claim 2, Sanchez and Boss teach the method of claim 2 (see rejection above). Sanchez further teaches the printing output user interface control method of Claim 2, further comprising the step of further converting display content when stored printing job information is selected and used for a printing job (see Sanchez, column 53 – 56).

---

Sanchez does not teach a plurality of printing jobs and making each printing job distinguishable. Matysek et al. ("Matysek") teaches a method wherein stored printing job information is selected and used for a plurality of printing jobs in order to make each printing job distinguishable (see Matysek, column 2, lines 13 – 21; it is inherent that the printing jobs will be distinguishable from each other). It would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the method of Matysek with the method of Sanchez and Boss in eliminate the labor intensive step of creating multiple copies of different jobs by the user.

Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Sanchez et al., U.S. patent No. 5,832,298 in view of Boss et al., U.S. Patent No. 5,758,110 further in view of Rigazio et al., U.S. Patent No. 6,182,039.

As per claim 5, which is dependent on claim 2, Sanchez and Boss teach the method of claim 2 (see rejection above). Sanchez and Boss teach converting printing job information. Sanchez and Boss do not teach the printing output user interface control method of Claim 2, further comprising the step of indicating the converted printing job information on said user interface display section, and prompting a user to confirm the conversion in the above conversion process.

Rigazio et al. ("Rigazio") teaches indicating converted information on a user interface display section, and prompting a user to confirm the conversion in the

Art Unit: 2174

conversion process (see Rigazio, column 10, lines 35 – 37; the examiner interprets receiving an input name and converting the input name into a retrieved name as a conversion process). It would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the method of Rigazio with the method of Sanchez and Boss in order to ensure accuracy of the conversion.

### ***Response to Arguments***

Applicant's arguments with respect to claims 1 and 6 have been considered but are moot in view of the new ground(s) of rejection.

Applicant's arguments with respect to claims 2 and 7 have been fully considered but they are not persuasive.

Applicant argues that Sanchez and Boss are not properly combinable under Section 103 and that Boss' application sharing technique is not applicable to the copier of Sanchez since Sanchez does not utilize application sharing. The Examiner disagrees. Both Sanchez and Boss are geared towards remote user interfaces and therefore are applicable to each other.

Applicant also argues that the cited art fails to disclose or suggest "that printing job information suitable to the display capability of the job information section is stored in accordance with user operation" and "that characters beyond the display capability

are converted to the stored printing job information". The Examiner disagrees.

Sanchez teaches "storing, upon entering a user-selected option from the menu of options, at least one user-selected option" (see Sanchez, column 2, lines 52 – 53).

Therefore Sanchez clearly teaches that printing job information suitable to the display capability of the job information section is stored in accordance with user operation.

Boss teaches converting stored bold text into a format capable of being displayed on a device without bold capabilities (see Boss, column 12, lines 15 – 18). Therefore, Boss clearly teaches that characters beyond the display capability are converted to the stored printing job information.

### ***Conclusion***

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

Art Unit: 2174


the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Umar Arshad whose telephone number is (703) 305-0329. The examiner can normally be reached on Monday - Friday, 9am - 5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kristine L Kincaid can be reached on (703) 308-0640. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

UA

  
Umar Arshad  
[Signature]